Zantedeschia (Coloured Calla) Crop Timeline

Length of the total crop cycle including dormancy will depend on a range of factors and may take up to 48 weeks or longer

<table>
<thead>
<tr>
<th>Stage</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Pre-germ.</td>
<td>1-2 weeks</td>
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<tr>
<td>Plant &amp; Grow</td>
<td>8-10 weeks</td>
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<tr>
<td>Flowering</td>
<td>4-6 weeks</td>
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<tr>
<td>Tuberisation</td>
<td>16 weeks</td>
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<tr>
<td>Dormancy &amp; Tuber Storage</td>
<td>12-16 weeks minimum</td>
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N-K ratio 3 to 1 2 to 1.5 1 to 1 1 to 1.5 1 to 3
EC level 0.9 - 1.8
pH 6.0 - 6.5
Calcium Add readily taken up product in low temperatures / dull conditions e.g. Bioman Calcium (ex USA), Calbit (ex Italy) or a calcium chelate product

Test pH / EC weekly and take at least 3 to 4 soil tests throughout the growing cycle to monitor soil nutrient levels.
Addition of growth additives / promoters like seaweed products (e.g. Asphodelium nodosum) can also be beneficial.
Recent research demonstrates that as nitrates reduce, there is a corresponding reduction in growth rates. Apply N in NO3 form rather than NH4.

Caution: if liquid feeding, reduce fertiliser in latter half of tuberisation as irrigation is progressively withdrawn.
Plant & growing time will depend on greenhouse temperature & light, but will significantly lengthen in cooler & duller weather.
Zantedeschia (Coloured Calla) will have less flowers and reduced tuber multiplication in winter, low light conditions.
Supplementary lighting and heating may be an advantage in dull or winter conditions. Good greenhouse ventilation and airflow is essential at all times.

Pregeneration
Spray with GA3 (100ppm - 1 tablet / 8-10 l) or Promalin® (100ppm - 5ml / l) and Previcur® (1.5ml / l). Dry tubers before planting.

Plant & Grow
Plant out & Grow. Test pH & EC weekly. Watch for disease/pests. Irrigate daily as required. Length of growing period will depend on climate.

Flower Harvest
Approximately 4-6 weeks to complete flowering. Pull flowers; chill @ 6-8°C; grade & pulse @ ambient temperature (3 hours); chill & pack for market.

Tuberisation
Continue to grow after flowering is completed for a minimum of 15-16 weeks to multiply the tuber. Reduce water towards end of cycle, monitor EC.

Lifting & Curing
Lift tubers at maturity; cure @ 25°C & reduce humidity to 65% (3-5 days); stabilise @ 15-20°C with good air flow (3-5 weeks); remove roots & grade.

Dormancy & Storage
Minimum of 12-16 weeks from lifting before planting again. Long term storage @ 8-10°C, 65-70% humidity, good air circulation.

Disclaimer: This model is a general guide ONLY. There is no guarantee, stated or implied by BLOOMZ of actual crop performance or length of growing cycle. Actual performance depends on factors including: quality & size of tuber stock; tuber variety; crop density & nutrition; seasonality; crop environment (temperature; humidity & light levels); disease prevention; grower skill & management.